

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024973**Date Inspected:** 27-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Le Feng**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG & TOWER Components**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY#10

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08952

Visual Inspection Testing (VT)

This QA inspector performed VT of the area previously tested and accepted by ZPMC Quality Control personnel.

The member is identified as OBG Component. The identified component designations reviewed are as follows:

TOWER HEAD 'G' PLATE TO 'F' PLATE WELD VERIFICATION AS PER TC-RFI-395

VERIFICATION OF TRIMMING ON PLAT FORM SUPPORT BEAMS AS PER TC-RFI-296

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW):

Weld joint #032 located on Bike path BK014A1-001. Welder is identified as 054069. ZPMC Quality Control (QC) Inspector is identified as Li Jun. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U4c.

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

Weld joint #039 located on Bike path BK014A1-001. Welder is identified as 053829. ZPMC Quality Control (QC) Inspector is identified as Li Jun. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U4c.

Flux Cored Arc Welding (FCAW):

Weld joint #004 located on Bike path BK014A1-001. Welder is identified as 054069. ZPMC Quality Control (QC) Inspector is identified as Li Jun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2132-ESAB.

Weld joint #013 located on Bike path BK014A1-001. Welder is identified as 054069. ZPMC Quality Control (QC) Inspector is identified as Li Jun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2132-ESAB.

BAY#11

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08954

Magnetic Particle Testing (MT)

This QA inspector performed MT of the area previously tested and accepted by ZPMC Quality Control personnel.

This QA Inspector generated an MT report for this date. The member is identified as TOWER Component. The weld designation reviewed as follows:

TOWER COMPONENTS

ESD1-TL6-2C/D-10; 11

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08951

Magnetic Particle Testing (MT)

This QA inspector performed MT of the area previously tested and accepted by ZPMC Quality Control personnel.

This QA Inspector generated an MT report for this date. The member is identified as OBG Component. The weld designation reviewed as follows:

TRAVELER RAIL

30TR1-001-002; 008; 009; 011

36TR1-001-001; 008; 009; 011

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08952

Ultrasonic Testing (UT)

This QA inspector performed UT of the area previously tested and accepted by ZPMC Quality Control personnel.

This QA Inspector generated an UT report for this date. The member is identified as OBG Component. The weld designation reviewed as follows:

TRAVELER RAIL

30TR1-001-002; 013

36TR1-001-002; 013

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Visual Inspection Testing (VT)

This QA inspector performed VT of the area previously tested and accepted by ZPMC Quality Control personnel.

The member is identified as OBG Component. The identified component designations reviewed are as follows:

TOWER HEAD 'G' PLATE TO 'F' PLATE WELD VERIFICATION AS PER TC-RFI-395

LOCATION OF HOLES VERIFICATION ON SKIN PLATE FACE SUB ASSEMBLY AS PER TC-RFI-396

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas Ho - 15002048250, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
